Project Title	Funding	Strategic Plan Objective	Institution
1/5-Elucidating the genetic architecture of autism by deep genomic sequencing	$2,000,000	Q3.S.A	Baylor College of Medicine
2/5-Elucidating the genetic architecture of autism by deep genomic sequencing	$2,442,659	Q3.S.A	Broad Institue, Inc.
3/5-Elucidating the genetic architecture of autism by deep genomic sequencing	$571,568	Q3.S.A	Mount Sinai School of Medicine
4/5-Elucidating the genetic architecture of autism by deep genomic sequencing	$482,846	Q3.S.A	University of Pennsylvania
5/5-Elucidating the genetic architecture of autism by deep genomic sequencing	$2,478,799	Q3.S.A	Vanderbilt University
ACE Center: Genetic contributions to endophenotypes of autism	$576,375	Q3.L.B	University of Washington
ACE Center: Genetics of language & social communication: Connecting genes to brain & cognition	$333,180	Q3.Other	University of California, Los Angeles
ACE Center: Genetics of language & social communication: Connecting genes to brain & cognition (supplement)	$55,592	Q3.Other	University of California, Los Angeles
ACE Center: Genetics of serotonin in autism: Neurochemical and clinical	$377,577	Q3.Other	University of Illinois at Chicago
ACE Center: Imaging autism biomarkers + risk genes	$201,934	Q3.Other	University of California, San Diego
ACE Center: Rare variant genetics, contactin-related proteins and autism	$334,236	Q3.Other	Yale University
ACE Center: Targeting genetic pathways for brain overgrowth in autism spectrum disorders	$371,478	Q3.Other	University of California, San Diego
ACE Network: A comprehensive approach to identification of autism susceptibility genes	$2,895,517	Q3.L.B	University of California, Los Angeles
ACE Network: Early Autism Risk Longitudinal Investigation (EARLI) network	$2,629,511	Q3.L.A	Drexel University
ACE Network: Early Autism Risk Longitudinal Investigation (EARLI) network (supplement)	$1,111,301	Q3.L.A	Drexel University
A genome-wide search for autism genes in the Simons Simplex Collection	$3,862,333	Q3.L.B	Yale University
Allosteric potentiators of the oxytocin system for the control of social motivation	$25,000	Q3.Other	University of North Carolina at Chapel Hill
A model for inclusion of minorities in genetic research	$40,981	Q3.S.D	University of Southern California
A model for inclusion of minorities in genetic research	$30,000	Q3.S.D	Fiesta Educativa, Inc.
A model for inclusion of minorities in genetic research (supplement)	$32,846	Q3.S.D	University of Southern California
A molecular genetic study of autism and related phenotypes in extended pedigrees	$483,824	Q3.L.B	University of North Carolina at Chapel Hill
Analysis of candidate genes derived from a protein interaction network in SSC samples	$987,318	Q3.L.B	Baylor College of Medicine
Analysis of developmental interactions between reelin haploinsufficiency, male sex, and mercury exposure	$92,582	Q3.L.C	Universita Campus Bio-Medico di Roma

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A recurrent genetic cause of autism	$400,000	Q3.L.B	Massachusetts General Hospital
Assisted reproductive treatments and risk of autism	$60,000	Q3.S.F	Institute of Psychiatry, King's College London
A systems biology approach to unravel the underlying functional modules of ASD	$663,063	Q3.S.A	University of California, San Diego
Autism and SNPs in the IGF pathway	$112,500	Q3.L.B	Princeton University
Autism and the insula: Genomic and neural circuits	$368,570	Q3.L.B	California Institute of Technology
Autism Genetic Resource Exchange (AGRE)	$1,826,554	Q3.L.B	Autism Speaks (AS)
Autism Genome Project	$4,894	Q3.L.B	Mount Sinai School of Medicine
Autism Genome Project (AGP)	$2,044,857	Q3.L.B	Autism Speaks (AS)
Autism in a fish eating population	$172,491	Q3.S.F	University of Rochester
Basal ganglia circuitry and molecules in pathogenesis of motor stereotypy	$419,799	Q3.L.B	University of California, Los Angeles
Behavioral and genetic biomarker development for autism and related disorders	$499,543	Q3.L.B	Rutgers, The State University of New Jersey - New Brunswick
Bioinformatics support for AGRE	$225,936	Q3.Other	Autism Speaks (AS)
Biological correlates of altered brain growth in autism	$1,011,793	Q3.S.A	Yale University
Brain glutamate concentrations in autistic adolescents by MRS	$1,224	Q3.S.E	Mount Sinai School of Medicine
Center for Genomic and Phenomic Studies in Autism	$1,482,665	Q3.L.B	University of Southern California
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - California	$1,386,673	Q3.L.D	Kaiser Foundation Research Institute
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Colorado	$1,192,664	Q3.L.D	Colorado Department of Health and Environment
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Data Coordinating Center	$700,000	Q3.L.D	Michigan State University
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Data Coordinating Center	$36,170	Q3.L.D	Michigan State University
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Georgia	$868,924	Q3.L.D	Centers for Disease Control and Prevention (CDC)
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Maryland	$1,937,600	Q3.L.D	Johns Hopkins University
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - North Carolina	$1,209,900	Q3.L.D	University of North Carolina at Chapel Hill
Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - Pennsylvania	$1,565,617	Q3.L.D	University of Pennsylvania/Children's Hospital of Philadelphia
Clinical and Bioinformatics Core (supplement)	$39,796	Q3.L.B	Duke University

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Comprehensive follow-up of novel autism genetic discoveries	$289,026	Q3.L.B	Massachusetts General Hospital
Comprehensive genetic variation detection to assess the role of the X chromosome in autism	$1,019,797	Q3.L.B	Emory University
Computational tools to analyze SNP data from patients with mental illness	$243,011	Q3.L.B	Partek, Inc.
Core B: Outreach and Translation	$84,728	Q3.Other	University of California, Davis
Core C: Analytical Core	$97,270	Q3.Other	University of California, Davis
Core D: Molecular Genomics Core	$57,649	Q3.Other	University of California, Davis
Core E: Statistical Analysis Core	$15,567	Q3.Other	University of California, Davis
Core--Genomics/Bioinformatics--Alzheimer's disease and autism	$136,335	Q3.L.B	Columbia University
Deep sequencing of autism candidate genes in 2000 families from the Simons Simplex Collection	$1,384,503	Q3.L.B	Cold Spring Harbor Laboratory
Dense mapping of candidate regions linked to autistic disorder	$5,028	Q3.L.B	Feinstein Institute for Medical Research
Determining the genetic basis of autism by high-resolution analysis of copy number	$351,639	Q3.L.B	Cold Spring Harbor Laboratory
Discordant monozygotic twins as a model for genetic-environmental interaction in autism	$0	Q3.S.C	Kennedy Krieger Institute
Discordant monozygotic twins as a model for genetic-environmental interaction in autism	$0	Q3.S.C	Johns Hopkins University
DNA methylation and other epigenetic studies of autism brain	$0	Q3.Other	Baylor College of Medicine
Early developmental risk factors for autism in a national birth cohort	$59,457	Q3.L.D	Turku University
Effect of oxytocin receptor inhibitor (atosiban) during the perinatal period and prevalence of autism spectrum disorders	$131,871	Q3.S.F	Hebrew University
Environment, the perinatal epigenome, and risk for autism and related disorders	$1,509,000	Q3.S.C	Johns Hopkins University
Epidemiological research on autism in Jamaica	$146,500	Q3.L.D	University of Texas Health Science Center at Houston
Epidemiologic studies of reproductive and developmental outcomes – Denmark	$400,000	Q3.S.E	Aarhus University
Epigenetic etiologies of autism spectrum disorders	$344,947	Q3.L.B	University of California, Davis
Epigenetic interaction of MECP2 and organic pollutants in neurodevelopment	$432,523	Q3.Other	University of California, Davis
Epigenetic interaction of MECP2 and organic pollutants in neurodevelopment (supplement)	$67,208	Q3.Other	University of California, Davis
Epigenetic marks as peripheral biomarkers of autism	$2,198,844	Q3.S.C	Emory University

Project Title	Funding	Strategic Plan Objective	Institution
Epigenetic regulation of the autism susceptibility gene, ENGRAILED 2 (EN2)	$0	Q3.Other	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
Epigenetics, hormones and sex differences in autism incidence	$0	Q3.S.F	University of Virginia
Etiology of autism risk involving MET gene and the environment	$219,700	Q3.S.E	University of California, Davis
Evaluation of the immune and physiologic response in children with autism following immune challenge	$327,972	Q3.S.E	University of California, Davis
Finding autism genes by genomic copy number analysis	$574,507	Q3.L.B	Children's Hospital Boston
Fraternal birth order effects on behavior	$171,000	Q3.Other	Michigan State University
Gene expression and immune cell function in mothers of children with autism	$267,750	Q3.L.C	University of California, Davis
Gene expression profiling of autism spectrum disorders	$52,000	Q3.L.B	Children's Hospital Boston
Genes disrupted by balanced genomic rearrangements in autism spectrum disorders	$309,604	Q3.L.B	Massachusetts General Hospital
Genetic and epigenetic interactions in a mouse model for autism	$60,000	Q3.S.F	David Geffen School of Medicine at University of California, Los Angeles
Genetic basis of autism	$6,380,872	Q3.L.B	Cold Spring Harbor Laboratory
Genetic dissection of restricted repetitive behavior (RRB)	$8,291	Q3.L.B	University of Florida
Genetic dissection of restricted repetitive behavior (RRB)	$180,254	Q3.Other	University of Florida
Genetic epidemiology of autism spectrum disorders	$178,175	Q3.Other	Yale University
Genetic investigation of cognitive development in autistic spectrum disorders	$184,248	Q3.L.B	Brown University
Genetics and gene-environment interactions in a Korean epidemiological sample of autism	$74,692	Q3.S.C	Yale University
Genetics of autism intermediate phenotypes	$448,943	Q3.L.B	University of Utah
Genetic studies in autism on chromosome 7 (supplement)	$17,887	Q3.L.B	Duke University
Genetic study of restricted repetitive behavior in autism spectrum disorders	$72,856	Q3.S.A	University of Florida
Genome-wide analyses of DNA methylation in autism	$400,000	Q3.L.B	Massachusetts General Hospital
Genome-wide association study of autism characterized by developmental regression	$127,458	Q3.S.E	Cincinnati Children's Hospital Medical Center
Genome-wide environment interaction study for autism: The SEED study	$723,953	Q3.S.C	Johns Hopkins University
Genomic hotspots of autism	$232,692	Q3.L.B	University of Washington
Genomic imbalances in autism	$0	Q3.L.B	University of Chicago
Genomic profiling and functional mutation analysis in autism spectrum disorders	$1,183,908	Q3.S.A	Yale University

Project Title	Funding	Strategic Plan Objective	Institution
Genotype-phenotype relationships in fragile X families	$541,900	Q3.Other	University of California, Davis
Human autism genetics and activity-dependent gene activation	$2,474,114	Q3.S.A	Children's Hospital Boston
Identical twins discordant for autism: Epigenetic (DNA methylation) biomarkers of non-shared environmental influences	$108,503	Q3.Other	King's College London
Identification and functional assessment of autism susceptibility genes	$478,257	Q3.L.B	Rutgers, The State University of New Jersey - New Brunswick
Identification and functional assessment of autism susceptibility genes	$262,704	Q3.L.B	The Research Institute at Nationwide Children's Hospital
Identification and functional assessment of autism susceptibility genes	$486,498	Q3.L.B	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
Identification and functional characterization of gene variants	$60,000	Q3.Other	Universita Campus Bio-Medico di Roma
Identification of aberrantly methylated genes in autism: The role of advanced paternal age	$499,780	Q3.L.B	Research Foundation for Mental Hygiene, Inc.
Identifying and understanding the action of autism susceptibility genes	$204,810	Q3.L.B	University of Oxford
Identifying autism susceptibility genes by high-throughput chip resequencing	$447,043	Q3.L.B	Emory University
Illumina, Inc.	$1,578,591	Q3.L.B	Illumina, Inc.
Immune biomarkers in serum and newborn dried blood spots	$125,000	Q3.L.C	Centers for Disease Control and Prevention (CDC)
Immunobiology in autism	$32,000	Q3.S.E	University of California, Davis
Immunopathogenesis in autism: Regulatory T cells and autoimmunity in neurodevelopment	$106,609	Q3.S.F	East Carolina University
Influence of maternal cytokines during pregnancy on effector and regulatory T helper cells as etiological factors in autism	$127,499	Q3.S.E	University of Medicine & Dentistry of New Jersey
Influence of maternal cytokines on activation of the innate immune system as a factor in the development of autism	$0	Q3.S.E	University of Medicine & Dentistry of New Jersey
Influence of the maternal immune response on the development of autism	$127,499	Q3.S.E	University of Medicine & Dentistry of New Jersey
Integrative genetic analysis of autistic brains	$200,000	Q3.L.B	Johns Hopkins University School of Medicine
Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders - 1	$0	Q3.Other	Burnham Institute
Interaction between MEF2 and MECP2 in the pathogenesis of autism spectrum disorders -2	$0	Q3.Other	Burnham Institute
Interactions of environment and molecular pathways on brain overgrowth in autism: Maternal inflammation and the PI3/AKT pathway	$211,200	Q3.S.E	University of California, Los Angeles

Project Title	Funding	Strategic Plan Objective	Institution
Investigating gene-environment interaction in autism: Air pollution X Genetics	$297,117	Q3.S.F	University of Southern California
Investigation of DUF1220 domains in human brain function and disease	$367,008	Q3.Other	University of Colorado Denver
Investigation of genes involved in synaptic plasticity in Iranian families with ASD	$0	Q3.L.B	Massachusetts General Hospital
Isolation of autism susceptibility genes	$593,350	Q3.L.B	deCODE Genetics, Inc.
Large-scale discovery of scientific hypotheses; Computation over expert opinions	$603,044	Q3.Other	University of Chicago
Linking autism and congenital cerebellar malformations	$60,000	Q3.Other	University of Chicago
Maternal dietary factors and risk of autism spectrum disorders	$32,000	Q3.L.D	Harvard Medical School
Maternal immune activation, cytokines, and the pathogenesis of autism	$378,570	Q3.L.C	University of California, Davis
Maternal risk factors for autism in the Nurses Health Study II – a pilot study	$0	Q3.L.D	Harvard School of Public Health
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
Maternal supplementation of folic acid and function of autism gene synaptic protein Shank3 in animal model	$109,450	Q3.L.C	Baylor College of Medicine
MeHG stimulates antiapoptotic signaling in stem cells	$0	Q3.Other	Kennedy Krieger Institute
Molecular Analysis Core (supplement)	$17,853	Q3.L.B	Duke University
Molecular and environmental influences on autism pathophysiology	$127,500	Q3.S.F	University of California, Los Angeles
Molecular and genetic epidemiology of autism	$1,211,372	Q3.L.B	University of Miami Miller School of Medicine
Neural and phenotypic correlates of autism risk genes	$545,057	Q3.S.A	University of California, Los Angeles
Neurogenetics of candidate systems in autism (supplement)	$23,730	Q3.L.B	Duke University
Neurogenic growth factors in autism	$0	Q3.Other	Yale University
Olivocerebellar circuitry in autism	$756,843	Q3.Other	Boston University Medical Campus
Pathway-based genetic studies of autism spectrum disorder	$60,000	Q3.L.B	University of Pennsylvania
Pilot project to assess web-based family recruitment for autism genetics studies	$500,000	Q3.L.B	University of California, Los Angeles; Washington University in St. Louis; Kennedy Krieger Institute
Potential role of non-coding RNAs in autism	$59,989	Q3.L.B	Children's Mercy Hospitals And Clinics

Project Title	Funding	Strategic Plan Objective	Institution
Prenatal exposure to polyfluoroalkyl compounds in the EMA study	$272,062	Q3.S.F	Kaiser Foundation Research Institute
Prenatal factors and risk of autism in a Finnish national birth cohort	$840,697	Q3.S.C	New York State Psychiatric Institute
Project 1: Environmental epidemiology of autism	$213,876	Q3.L.C	University of California, Davis
Project 3: Neurodevelopmental toxicology of autism	$136,181	Q3.Other	University of California, Davis
Psychosis and autoimmune diseases in Denmark	$148,389	Q3.S.E	Johns Hopkins University
Recessive genes for autism and mental retardation	$293,376	Q3.L.B	Beth Israel Deaconess Medical Center
Relevance of NPAS1/3 balance to autism and schizophrenia	$356,840	Q3.L.B	University of Texas Southwestern Medical Center
Research Center for the Study of Gene Structure and Function (supplement)	$299,668	Q3.L.B	Hunter College
RNA expression patterns in autism	$739,224	Q3.L.B	Children's Hospital Boston
Role of micro-RNAs in ASD affected circuit formation and function	$0	Q3.L.B	University of California, San Francisco
Role of TSC/mTOR signaling pathway in autism and autism spectrum disorders	$172,825	Q3.L.B	Massachusetts General Hospital
Rutgers, The State University of New Jersey	$4,729,271	Q3.L.B	Rutgers, The State University of New Jersey
Simons Simplex Collection Site	$445,176	Q3.L.B	University of Washington
Simons Simplex Collection Site	$112,500	Q3.L.B	Washington University in St. Louis
Simons Simplex Collection Site	$332,923	Q3.L.B	University of Illinois at Chicago
Simons Simplex Collection Site	$30,000	Q3.L.B	University of Massachusetts Medical School
Simons Simplex Collection Site	$487,500	Q3.L.B	Vanderbilt University
Simons Simplex Collection Site	$550,246	Q3.L.B	Children's Hospital Boston
Simons Simplex Collection Site	$516,952	Q3.L.B	The Research Institute of the McGill University Health Centre
Simons Simplex Collection Site	$654,489	Q3.L.B	University of California, Los Angeles
Simons Simplex Collection Site	$815,728	Q3.L.B	Yale University
Simons Simplex Collection Site	$437,339	Q3.L.B	Baylor College of Medicine
Simons Simplex Collection Site	$461,365	Q3.L.B	Emory University
Simons Simplex Collection Site	$1,300,730	Q3.L.B	University of Michigan
Simons Simplex Collection Site	$379,000	Q3.L.B	University of Missouri
Simons Simplex Collection Site	$150,500	Q3.L.B	Columbia University
Social determinants of the autism epidemic	$805,000	Q3.L.C	Columbia University
Structural and functional neural correlates of early postnatal deprivation	$148,768	Q3.Other	Wayne State University

Project Title	Funding	Strategic Plan Objective	Institution
Studies of central nervous system functional anatomy	$1,340,580	Q3.Other	National Institutes of Health (NIH)
Studies of postmortem brain searching for epigenetic defects causing autism	$400,000	Q3.L.B	Baylor College of Medicine
Synaptic processing in the basal ganglia	$392,444	Q3.Other	University of Washington
Teratology Society Meeting Support	$10,000	Q3.Other	Teratology Society
The CHARGE Study: Childhood Autism Risks from Genetics and the Environment	$1,015,021	Q3.S.C	University of California, Davis
The CHARGE Study: Childhood Autism Risks from Genetics and the Environment (supplement)	$1,212,792	Q3.S.F	University of California, Davis
The CHARGE Study: Childhood Autism Risks from Genetics and the Environment (supplement)	$405,700	Q3.S.F	University of California, Davis
The impact of autism specific genomic variations on microRNA gene expression profile	$43,850	Q3.L.B	The Hospital for Sick Children
The MET signaling system, autism and gastrointestinal dysfunction	$292,923	Q3.Other	University of Southern California
The role of contactin-associated protein-like 2 (CNTNAP2) and other novel genes in autism	$464,601	Q3.L.B	Johns Hopkins University School of Medicine
The role of MECP2 in Rett syndrome	$308,949	Q3.Other	University of California, Davis
The role of MECP2 in Rett syndrome (supplement)	$34,417	Q3.Other	University of California, Davis
The role of the neurexin 1 gene in susceptibility to autism	$0	Q3.L.B	Massachusetts General Hospital/Harvard Medical School
The role of the Rett gene, chromosone 15Q11-Q13, other genes, and epigenetics	$18,368	Q3.L.B	Baylor College of Medicine
The transcription factor PLZF: A possible genetic link between immune dysfunction and autism	$142,113	Q3.Other	Memorial Sloan-Kettering Cancer Center
Toxicant-induced autism and mitochondrial modulation of nuclear gene expression	$0	Q3.S.F	Texas A&M University
Uncovering genetic mechanisms of ASD	$150,000	Q3.L.B	Children's Hospital Boston
Understanding glutamate signaling defects in autism spectrum disorders	$60,000	Q3.L.B	Johns Hopkins University
Unraveling the genetic etiology of autism	$491,266	Q3.L.B	Vanderbilt University
Vaccination with regression study	$16,258	Q3.S.E	Kaiser Permanente Georgia
Vaccine safety datalink thimerosol and autism study	$20,857	Q3.S.F	Centers for Disease Control and Prevention (CDC)
Vitamin D status and autism spectrum disorder: Is there an association?	$85,961	Q3.S.F	University of California, Davis
Vulnerability phenotypes and susceptibility to environmental toxicants: From organism to mechanism	$0	Q3.S.E	University of Rochester
Whole-genome sequencing for rare highly penetrant gene variants in schizophrenia	$1,671,247	Q3.S.C	Duke University